

Amendments to the Claims

The listing of claims will replace all prior listings of claims in the application.

LISTING OF CLAIMS

1. (Original) A digital amplifier, in which a driving circuit drives switching elements in response to an audio signal that has been converted into a 1-bit signal, and an amplitude of the audio signal is amplified by switching a power source voltage, comprising:

variable power source voltage generating means for generating the power source voltage which is variable; and

driving voltage variation means for varying a driving voltage by which the driving circuit drives the switching elements.

2. (Currently Amended) The digital amplifier as set forth in claim 1, wherein:
the variable power source voltage generating means includes a low pass filter for smoothing a pulse width modulation signal obtained by switching a predetermined direct current voltage in a duty variable manner, and

the driving voltage variation means includes:
a capacitor whose one terminal receives the pulse width modulation signal;
a diode for inputting a predetermined constant voltage into ~~an other~~ another terminal of the capacitor; and

a low pass filter for smoothing an output from the other terminal of the capacitor, wherein a voltage obtained by adding the constant voltage to the power source voltage is supplied to the driving circuit as the driving voltage.

3. (Currently Amended) A digital signal reproduction device, comprising:
a reproduction circuit for demodulating and developing sound data, obtained from a rewritable optical storage medium, which has been modulated and compressed for storage; and
an amplifier for amplifying the sound data, wherein
the amplifier is ~~the~~ a digital amplifier as set forth in claim 1 or 2 that includes a driving circuit driving switching elements in response to an audio signal that has been converted into a 1-bit signal, and an amplitude of the audio signal is amplified by switching a power voltage,
a variable power source voltage generator generating the power source voltage which is variable, and
a driving voltage variation varying a driving voltage by which the driving circuit drives the switching elements.

4. (Original) The digital signal reproduction device as set forth in claim 3, wherein the optical storage medium is a minidisk.

- 5. (Cancelled)
- 6. (Cancelled)
- 7. (Cancelled)
- 8. (Cancelled)
- 9. (Cancelled)
- 10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (New) The digital signal reproduction device as set forth in claim 3, wherein the variable power source voltage generating means includes a low pass filter for smoothing a pulse width modulation signal obtained by switching a predetermined direct current voltage in a duty variable manner, and

the driving voltage variation means includes:

a capacitor whose one terminal receives the pulse width modulation signal;

a diode for inputting a predetermined constant voltage into another terminal of the capacitor; and

a low pass filter for smoothing an output from the other terminal of the capacitor, wherein a voltage obtained by adding the constant voltage to the power source voltage is supplied to the driving circuit as the driving voltage.